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<p>(21) International Application Number: PCT/IN00/00023</p> <p>(22) International Filing Date: 16 March 2000 (16.03.00)</p> <p>(30) Priority Data: 415/DEL/99 17 March 1999 (17.03.99) IN</p> <p>(71)(72) Applicant and Inventor: GUHA, Sujoy, Kumar [IN/IN]; Professor of Biomedical Engineering, Centre for Biomedical Engineering (CBME), Indian Institute of Technology Delhi (IITD), Hauz Khas, New Delhi 110 016 (IN).</p> <p>(74) Agent: MEHTA, Ramesh, Kumar, Remfry & Sagar, Attorneys-at-Law, Remfry House, 8 Nangal Raya Business Centre, New Delhi 110 046 (IN).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i> <i>With amended claims and statement.</i></p>

(54) Title: AN IMPROVED REVERSIBLE CONTRACEPTIVE FOR MALE AND FEMALE

(57) Abstract

The present invention relates to an improved injectable reversible contraceptive for use by male and female comprising a contraceptive polymer, a solvent medium, an electrically conducting material and magnetic material, characterised in that the contraceptive polymer is a mixture of styrene maleic anhydride and styrene maleic acid copolymers, and the solvent medium is dimethyl sulphoxide solvent, and the electrically conducting material is copper particles and magnetic material is iron particles both consisting of microsize and macrosize particles. The contraceptive is prepared by mixing the weighed quantities of copolymers and electrically conducting and magnetic materials and dissolving in dimethyl sulphoxide followed by keeping this complex solution in an inert environment and shaking for about 45-50 hrs by maintaining the temperature at about 35 °C.